

CLAIMS

1. Wedge wire bonding apparatus comprising:
- (a) means for supporting a workpiece,
  - (b) a bonding head including a transducer having a longitudinal axis,
  - (c) means for causing relative movement of the workpiece and the transducer along orthogonal X and Y axes simultaneously, and
  - (d) means for supporting the bonding head above the workpiece such that the longitudinal axis of said transducer lies along a line dividing said X and Y axes.
- 10 2. Apparatus as claimed in claim 1 wherein the line dividing the X and Y axes makes an angle of 45° to the X and Y axes.
3. Apparatus as claimed in claim 1 ~~or 2~~ wherein said workpiece supporting means comprises a rotary table for rotating said workpiece.
- 15 4. Apparatus as claimed in claim 1, ~~2 or 3~~ wherein said bonding head supporting means is fixed relative to said X and Y axes and wherein means are provided for moving said workpiece along said X and Y axes.
- 20 5. Apparatus as claimed in claim 1, ~~2 or 3~~ wherein said workpiece supporting means is fixed relative to said X and Y axes and wherein means are provided for moving said bonding head supporting means along said X and Y axes.

6. Apparatus as claimed in claim 1 wherein said apparatus includes a position for an operator to observe the bonding process, and wherein the transducer is positioned so as to point in the direction of the operator position.

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